

=====

Sequence Listing was accepted with existing errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: Tue May 15 12:51:24 EDT 2007

=====

Application No: 10580868 Version No: 1.1

**Input Set:**

**Output Set:**

**Started:** 2007-05-15 12:51:11.295  
**Finished:** 2007-05-15 12:51:14.942  
**Elapsed:** 0 hr(s) 0 min(s) 3 sec(s) 647 ms  
**Total Warnings:** 0  
**Total Errors:** 16  
**No. of SeqIDs Defined:** 145  
**Actual SeqID Count:** 145

Error code	Error Description	SEQID	POS
E 341	'Xaa' position not defined	SEQID (128)	POS (20)
E 341	'Xaa' position not defined	SEQID (128)	POS (21)
E 341	'Xaa' position not defined	SEQID (128)	POS (23)
E 341	'Xaa' position not defined	SEQID (128)	POS (24)
E 341	'Xaa' position not defined	SEQID (129)	POS (20)
E 341	'Xaa' position not defined	SEQID (129)	POS (21)
E 341	'Xaa' position not defined	SEQID (129)	POS (23)
E 341	'Xaa' position not defined	SEQID (129)	POS (24)
E 341	'Xaa' position not defined	SEQID (143)	POS (20)
E 341	'Xaa' position not defined	SEQID (143)	POS (21)
E 341	'Xaa' position not defined	SEQID (143)	POS (23)
E 341	'Xaa' position not defined	SEQID (143)	POS (24)
E 341	'Xaa' position not defined	SEQID (144)	POS (20)
E 341	'Xaa' position not defined	SEQID (144)	POS (21)
E 341	'Xaa' position not defined	SEQID (144)	POS (23)
E 341	'Xaa' position not defined	SEQID (144)	POS (24)

SEQUENCE LISTING

<110> Spangenberg, German  
John, Ulrik, Peter  
Polotonianka, Renata Martina

<120> Modification of plant response to freezing and low temperature stress

<130> 21016-002US1

<140> US 10/580,868  
<141> 2006-05-24

<150> PCT/AU2004/001633  
<151> 2004-11-24

<150> 2003906477  
<151> 2003-11-24

<160> 145

<170> PatentIn version 3.2

<210> 1  
<211> 976  
<212> DNA  
<213> Deschampsia antarctica

<400> 1

gattactata gggcacgcgt ggtcgacggc ccgggctggt atcgtccttg cattaggccg	60
gtcacgatgt gtggcttagc cattccatgt catccacatc atataggttg gtgacgttta	120
ttttgaagtc tgcgtataaa aatcttccta ggatatttgc atggtatcac tcaattattta	180
ctctgagtag gcatgggtga caagtacctc tccagcgcag ctccaaatcct acatgtggta	240
gctgacaaca agcagcttga gtgcttgcca cccacgaatt ccagtcgaca gaaaacacca	300
aaaaccaagt ttgaattggg aggcagtttg tgggccttgt ggtcacggac tagtattaga	360
ccacttgcaa tgcgtatcta caaacataca cgcacactat aagtaagatg taccacccaa	420
gcagtttta acaacaacac ttgtgaatca cttccattcc aaaaaggttt cttgccgaat	480
ccatatatacg cataccacgg ctgaatccat ggcgctgaaa tgcgggttgt tgctgcttt	540
ctcagcattc ctcttgccgg cagcgagcgc tacggcgtgc cactccgtg acctccgcgc	600
gctgcagggc ttgcgttagga acctcgccgg cgtcgggggc gtccctctcc gtgccgcgtg	660
gtccggtgac gggtgctgctg acgtggaaagg tgtggctgc gacggtgcaa gccggccgcgt	720
cactacgttgcagctaccca cgcgtggcct cgcggggccc atccccggag catccttggc	780
gggcctcggtcagcatgtga agggtaacag gagaacactt gccgaacaac cgaatagaat	840

atcggggacc aacaacagtg tgaggttgg gagaaacaat gctttgccg ggaatgacaa	900
caccgtcata tctggata acaacactgt gtctggagc ttcaacactg tcgtaattgg	960
gagtgacaat atcata	976

<210> 2  
 <211> 1004  
 <212> DNA  
 <213> Deschampsia antarctica

<400> 2	
gattactata gggcacgcgt ggtcgacggc ccgggctggc atcgtccttg cattaggccg	60
gtcacgatgt gtggcttagc cattccatgt catccacatc atataggttg gtgacgttta	120
tttgaagtc tgcgtataaa aatcttccta ggatatttgc atggtatacac tcaattattaa	180
ctctgagtag gcatgggtga caagtaccc tccagcacag ctccaatcct acatgtggta	240
gctgacaaca agcagcttga gtgcttgcca cccacgaatt ccagtcgaca gaaaacacca	300
aaaaccaagc ttgaattggg aggcagtttgc tgggccttgc ggtcacggac tagtattaga	360
ccacttgcaa tgcatacttca caaacataca cgcacactat aagtaagatg taccacccaa	420
gcagtttta acaacaacgc ttgtgaatca cttccattcc aaaaaggttt cttgccgaat	480
ccatatatacg cttccatccat ggcgctgaaa tgcgggttgt tgctgcttt	540
ctcagcattc ctcttgccgg cagcgagcgc tacggcgtgc cactccgtg acctccgcgc	600
gctgcagggc ttgcgttagga acctcggtgg cgtcgggggc gtccctccctcc gtgccgcgtg	660
gtccggtgac gggtgctgcg actggaaagg tgtggactgc gacggtgcaa gcggccgcgt	720
cactacgttgc cagctaccca cgcgtggcct cgcggggccc atccccggag catccttggc	780
gggcctcggtg cagcatgtga agggtaacag gagaacactt gccgaacaac cgaatagaat	840
atcggggacc aacaacagtg tgaggttgg gagaaacaat gctttgccg ggaatgacaa	900
caccgtcata tctggata acaacactgt gtctggagc ttcaacactg tcgtaattgg	960
gagtgacaat atcataacccg gtagcaagca tgtcgtatct ggg	1004

<210> 3  
 <211> 912  
 <212> DNA  
 <213> Deschampsia antarctica

<400> 3	
cgaattccag tcgacagaaa acaccaaaaa ccaagcttga attgggaggc agtttgtgg	60

ccttgggtc acggactagt attagaccac ttgcaatgca tgcttacaaa catacacgca 120  
cactataagt aagatgtacc acccaaggcag ttttaacaa caacgctgt gaatcactc 180  
catccaaaaa aggttcttg cgaatccat atatagcata ccacggctga atccatggcg 240  
ctgaaatgct ggttggct gctttctca gcattcctct tgccggcagc gagcgctacg 300  
cggtgccact cccgtgaccc cccgcgcgtg cagggcttcg ctaggaacct cgggtggcg 360  
ggggcggtcc tcctccgtgc cgcgtggtcc ggtgacgggt gctgcactg ggaagggtgt 420  
gactgcgacg gtgcaagcgg cccgcgtcact acgttgcagc taccacgct tggcctcg 480  
ggggccatcc cgggagcatc ctggcgggc ctgcgtcagc atgtgaaggtaacaggaga 540  
acacttgccc aacaaccgaa tagaatatcg gggaccaaca acagtgtgag gtttgggaga 600  
aacaatgctc ttggcgaa tgacaacacc gtcataatctg ggaataacaa cactgtgtct 660  
gggagcttca acactgtcgt aattgggagt gacaatatca taaccggtag caagcatgtc 720  
gtatctggga gaaaacatat cgttaactgtat aacaacaaca aagtatccgg gaatgacaat 780  
aatgtatccg ggagcttcca caccgtatcc gggagccaca acaccgtatc cgggagcaac 840  
aataccgttt cgggagcaa caaagtctgtg acaggaggtt aattatgtgt cagtgttagga 900  
ttgtctccac ct 912

<210> 4  
<211> 912  
<212> DNA  
<213> Deschampsia antarctica

<400> 4  
cgaattccag tcgacagaaa acacaaaaaa ccaagttga attggaggc agtttgtgg 60  
ccttgggtc acggactagt attagaccac ttgcaatgca tgcttacaaa catacacgca 120  
cactataagt aagatgtacc acccaaggcag ttttaacaa caacactgt gaatcactc 180  
catccaaaaa aggttcttg cgaatccat atatagcata ccacggctga atccatggcg 240  
ctgaaatgct ggttggct gctttctca gcattcctct tgccggcagc gagcgctacg 300  
cggtgccact cccgtgaccc cccgcgcgtg cagggcttcg ctaggaacct cgggtggcg 360  
ggggcggtcc tcctccgtgc cgcgtggtcc ggtgacgggt gctgcactg ggaagggtgt 420  
ggctgcgacg gtgcaagcgg cccgcgtcact acgttgcagc taccacgct tggcctcg 480  
ggggccatcc cgggagcatc ctggcgggc ctgcgtcagc atgtgaaggtaacaggaga 540  
acacttgccc aacaaccgaa tagaatatcg gggaccaaca acagtgtgag gtttgggaga 600

aacaatgctc ttgccggaa tgacaacacc gtcataatctg ggaataacaa cactgtgtct 660  
gggagcttca acactgtcgt aattgggagt gacaatatca taaccggtag caagcatgtc 720  
gtatctggga ggaaacatat cgtaactgat aacaacaaca aagtatccgg gaatgacaat 780  
aatgtatccg ggagcttcca caccgtatcc gggagccaca acaccgtatc cgggagcaac 840  
aataccgttt cggggagcaa caaagtctgtc acaggagggtt aattatgtgt cagtgttagga 900  
ttgtctccac ct 912

<210> 5  
<211> 769  
<212> DNA  
<213> Deschampsia antarctica

<400> 5  
acttgtgaat cacttccatt caaaaaagggt ttcttgccga atccatatat agcataaccac 60  
ggctgaatcc atggcgctga aatgcggggtt gttgctgctc ttctcagcat tcctcttgcc 120  
ggcagcgagc gctacggcgt gccactcccg tgacctccgc gcgcgtgcagg gcttcgttag 180  
gaacctcggc ggctcggggg gctgtccctcc ctgtgcgcgc tggtccggtg acgggtgctg 240  
cgactggaa ggtgtgggct ggcacgggtgc aagcggccgc gtcactacgt tgcagctacc 300  
cacgcgtggc ctgcgggggc ccattccccgg agcatccttg gcgggcctcg tgcagcatgt 360  
gaagggttaac aggagaacac ttgccgaaca accgaataga atatcgggaa ccaacaacag 420  
tgtgagggtt gggagaaaca atgctttgc cggaaatgac aacaccgtca tatctggaa 480  
taacaacact gtgtctggga gcttcaacac tgtcgtaatt gggagtgaca atatcataac 540  
cgtagcaag catgtcgtat ctgggaggaa gcatatcgta actgataaca acaacaaagt 600  
atccggaaat gacaataatg tatccgggag cttccacacc gtatccggga gccacaacac 660  
cgtatccggg agcaacaata ccgtttccgg gagcaaccat gtcgtgtctg ggagcaacaa 720  
agtctgtgaca ggaggtaat tatgtgtca gtttaggattt tctccaccc 769

<210> 6  
<211> 769  
<212> DNA  
<213> Deschampsia antarctica

<400> 6  
acttgtgaat cacttccatt caaaaaagggt ttcttgccga atccatatat agcataaccac 60  
ggctgaatcc atggcgctga aatgcggggtt gttgctgctc ttctcagcat tcctcttgcc 120  
ggcagcgagc gctacggcgt gccactcccg tgacctccgc gcgcgtgcagg gcttcgttag 180

gaacctcggc ggcgtcgaaa gcgccctcct ccgtgccggc tggccgggtg acgggtgctg 240  
cgactggaa ggtgtgggt ggcacgggtgc aagcggccgc gtcactacgt tgcagctacc 300  
cacgcgtggc ctcgcggggc ccatccccgg agcatccttgc gccccctcg tgcagcatgt 360  
gaagggtaac aggagaacac ttgccgaaca accgaataga atatcgaaa ccaacaacag 420  
tgtgaggttt gggagaaaca atgctttgc cggaaatgac aacaccgtca tatctggaa 480  
taacaacact gtgtctggaa gcttcaacac tgtcgtaatt gggagtgaca atatcataac 540  
cgtagcaag catgtcgat ctgggaggaa gcatatcgta actgataaca acaacaaagt 600  
atccggaaat gacaataatg tatccggag cttccacacc gtatccggaa gccacaacac 660  
cgtatccggg agcaacaata ccgtttccgg gagcaaccat gtcgtgtctg ggagcaacaa 720  
agtctgtaca ggaggtaat tatgtgtcag tgtaggattt tctccaccc 769

<210> 7  
<211> 769  
<212> DNA  
<213> Deschampsia antarctica

<400> 7  
acttgtaat cacttccatt ccaaaaagggt ttcttgcga atccatataat agcataaccac 60  
ggctgaatcc atggcgctga aatgcgggtt gttgctgctc ttctcagcat tcctttgcc 120  
ggcagcgagc gctacggcgt gcaactcccg tggcctccgc ggcgtgcagg gttcgctag 180  
gaacctcggc ggcgtcgaaa gcgccctcct ccgtgccggc tggccgggtg acgggtgctg 240  
cgactggaa ggtgtgggt ggcacgggtgc aagcggccgc gtcactacgt tgcagctacc 300  
cacgcgtggc ctcgcggggc ccatccccgg agcatccttgc gccccctcg tgcagcatgt 360  
gaagggtaac aggagaacac ttgccgaaca accgaataga atatcgaaa ccaacaacag 420  
tgtgaggttt gggagaaaca atgctttgc cggaaatgac aacaccgtca tatctggaa 480  
taacaacact gtgtctggaa gcttcaacac tgtcgtaatt gggagtgaca atatcataac 540  
cgtagcaag catgtcgat ctgggaggaa acatatcgta actgataaca acaacaaagt 600  
atccggaaat gacaataatg tatccggag cttccacacc gtatccggaa gccacaacac 660  
cgtatccggg agcaacaata ccgtttccgg gagcaaccat gtcgtgtctg ggagcgacaa 720  
agtctgtaca ggaggtaat tatgtgtcag tgtaggattt tctccaccc 769

<210> 8  
<211> 769

<212> DNA

<213> Deschampsia antarctica

<400> 8

acttgtaat cacttccatt ccaaaaaggt ttcttgcga atccatata	60
ggctgaatcc atggcgctga aatgcgggtt gttgctgctc ttctcagcat	120
ggcagcgagc gctacggcgt gccactcccg tggcctccgc gcgcgtcagg	180
gaacctcggc ggcgtcgaaa gctacggcgt gccactcccg tggcctccgc	240
cgactggaa ggtgtgggtt ggcgtcgaaa aacaccgtca tatctggaa	300
cacgcgtggc ctcgcggggc ccatacccg agcatccttgc ggggcctcg	360
gaaggtaac aggagaacac ttgcccgaaca accgaataga atatcgaaa	420
tgtgaggaaa gggagaaaca atgcttttgc cggaaatgac aacaccgtca	480
taacaacact gtgtctggaa gcttcaacac tgtcgttaatt gggagtgaca	540
cggtagcaag catgtcgtat ctgggaggaa acatatcgta actgataaca	600
atccggaaat gacaataatg tatccggag cttccacacc gatccggaa	660
cgtatccggg agcaacaata ccgtttccgg gagcaaccat gtcgtgtctg	720
agtctgtaca ggaggtaat tatgtgtcag tgttaggattt tctccaccc	769

<210> 9

<211> 500

<212> DNA

<213> Deschampsia antarctica

<400> 9

acttgtaat cacttccatt ccaaaaaggt ttcttgcga atccatata	60
ggctgaatcc atggcgctga aatgcgggtt gttgctgctc ttctcagcat	120
ggcagcgagc gctacggcgt gccactcccg tgaccccgcc gcgcgtcagg	180
gaacctcggc ggcgtcgaaa gctacggcgt gccactcccg tggcctccgc	240
cgactggaa ggtgtgggtt ggcgtcgaaa aacaccgtca tatctggaa	300
cacgcgtggc ctcgcggggc ccatacccg agcatccttgc ggggcctcg	360
gaaggtaac aggagaacac ttgcccgaaca accgaataga atatcgaaa	420
tgtgaggaaa gggagaaaca atgcttttgc cggaaatgac aacaccgtca	480
taacaacact gtgtctggaa gcttcaacac tgtcgttaatt gggagtgaca	500

<210> 10

<211> 642

<212> DNA

<213> Deschampsia antarctica

<400> 10

acttgtgaat cacttcatt caaaaagggt ttcttgcga atccatatac agcataaccac 60  
ggctgaatcc atggcgctga aatgcgggtt gttgctgctc ttctcagcat tcctttgcc 120  
ggcagcgagc gctacggcgt gccactcccg tgacctccgc gcgctgcagg gcttcgttag 180  
gaacctcggc ggcgtcgggg gcgtccctcct ccgtgcggcg tggccggtg acgggtgtg 240  
cgactggaa ggtgtggct ggcacgggtgc aagcggccgc gtcactacgt tgcagctacc 300  
cacgcgtggc ctgcggggc ccatccccgg agcatccttgc gcgggcctcg tgcagcatgt 360  
gaagggttaac aggagaacac ttgccgaaca accgaataga atatcgggga ccaacaacag 420  
tgtgaggttt gggagaaaca atgctttgc cgggaatgac aacaccgtca tatctggaa 480  
taacaacact gtgtctggga gttcaacac tgtcgtaatt gggagtgaca atatcataac 540  
cgtagcaag catgtcgtat ctgggaggaa acatatcgta actgataaca acaacaaagt 600  
atccggaaat gacaataatg tatccggag ctccacacc gt 642

<210> 11

<211> 638

<212> DNA

<213> Deschampsia antarctica

<400> 11

gcaagcggcc gcgtcaactac gttgcagcta cccacgcgtg gcctcgccgg gcccattcccc 60  
ggagcatcct tggcgccct cgtgcagcat gtgaagggtt acaggagaac acttgccaa 120  
caaccgaata gaatatcggtt gaccaacaac agtgtgaggt ttgggagaaa caatgcttt 180  
gcccggaaatg acaacaccgt catatctggg aataacaaca ctgtgtctgg gagcttcaac 240  
actgtcgtaa ttgggagtga caatatcata accggtagca agcatgtcgt atctggagg 300  
aaacatatcg taactgataa caacaacaaa gtatccggga atgacaataa tgtatccggg 360  
agcttccaca ccgtatccgg gagccacaac accgtatccg ggagcaacaa taccgtttcc 420  
gggagcaaca aagtctgtac aggaggtaa ttatgtgtca gtgtaggatt gtctccaccc 480  
gagctcaccc ctgtccaaa ttgagtctag ctcacaatca gttgggtgggg ccaatcgccgg 540  
catgtaaactt catggatgga tatagcatca tttccact taaaataaaa tttgcctcg 600  
ggatgtttac agaaaaaaaaaaaaaaaaaaaaaaa 638

<210> 12  
<211> 578  
<212> DNA  
<213> Deschampsia antarctica

<400> 12  
ggagcatcct tggcggcct cgtgcagcat gtgaagggt aacaggagaac acttgccgaa 60  
caaccgaata gaatatcgaa gaccaacaac agtgtgaggt ttgggagaaa caatgcttt 120  
gcccggaaatg acaacaccgt catabctgg aataacaaca ctgtgtctgg gagcttcaac 180  
actgtcgtaa ttgggagtga caatatcata accggtagca agcatgtcgt atctgggagg 240  
aaacatatcg taactgataa caacaacaaa gtatccggg atgacaataa tgtatccggg 300  
agcttccaca ccgtatccgg gagccacaac accgtatccg ggagcaacaa taccgttcc 360  
gggagcaaca aagtctgac aggaggtaa ttatgtgtca gtgtaggatt gtctccacct 420  
gagctcaccc cttgtccaaa ttgagtctag ctcacaatca gttgggtgggg ccaatcgccg 480  
catgttaactt catggatgga tatagcatca tttccact ttaaataaaa ttgcctcgt 540  
ggatgtttac agaaaaaaaaaaaaaaa 578

<210> 13  
<211> 431  
<212> DNA  
<213> Deschampsia antarctica

<400> 13  
gggagcttca acactgtcgt aattgggagt gacaatatca taaccggtag caagcatgtc 60  
gtatctgggaa ggaaacatat cgtaactgat aacaacaaca aagtatccgg gaatgacaat 120  
aatgtatccg ggagcttcca caccgtatcc gggagccaca acaccgtatc cgggagcaac 180  
aataccgttt ccgggagcaa ccatgtcgtg tctgggagca acaaagtctg gacaggaggt 240  
taattatgtg tcagtgtagg attgtctcca cctgagctca ccccttgc 300  
tagctcacaa tcagtggtg gggccaaatcg cggcatgtaa cttcatggat ggatatacg 360  
tcattttccc actttaataa aaatttgccct cgtggatgtc taaaaaaaaaaa gaaaaaaaaaa 420  
aaaaaaaaaaa a 431

<210> 14  
<211> 431  
<212> DNA  
<213> Deschampsia antarctica

<400> 14  
gggagcttca acactgtcgt aattgggagt gacaatatca taaccggtag caagcatgtc 60

gtatctggga ggaaacatat cgtaactgat aacaacaaca aagtatccgg gaatgacaat 120  
aatgtatccg ggagcttcca caccgtatcc gggagccaca acaccgtatc cgggagcaac 180  
aataccgttt ccgggagcaa ccatgtcgtg tctgggagca acaaagtctg gacaggaggt 240  
taattatgtg tcagtgtagg attgtctcca cctgagctca ccccttgc 300  
tagctcaca a tcagttggtg gggccaatcg cggcatgtaa cttcatggat ggatata 360  
tcattttccc actttaataa aaatttgcct cgtggatgtc taaaaaaaaaaaaaaa 420  
aaaaaaaaaa a 431

<210> 15  
<211> 430  
<212> DNA  
<213> Deschampsia antarctica

<400> 15  
ggagcttcaa cactgtcgtatgggagtg acaatatcat aaccggtagc aagcatgtcg 60  
tatctgggag gaaacatatac gtaactgata acaacaacaa agtatccggg aatgacaata 120  
atgtatccgg gagctccac accgtatccg ggagccacaa caccgtatcc gggagcaaca 180  
ataccgtttc cgggagcaac catgtcgtgt ctgggagcaa caaagtctg acaggaggtt 240  
aattatgtgt cagtgtagga ttgtctccac ctgagctcac cccttgc 300  
agctcacaat cagttggtgg ggcacatcg ggcacatgtaa ttcatggatg gatata 360  
cattttccc cttaataa aatttgcctc gtggatgtct aaaaaaaaaag aaaaaaaaaaa 420  
aaaaaaaaaa 430

<210> 16  
<211> 1365  
<212> DNA  
<213> Deschampsia antarctica

<400> 16  
gattactata gggcacgcgt ggtcgacggc ccgggctggc atcgcccttg cattaggccg 60  
gtcacgatgt gtggcttagc cattccatgt catccacatc atataggttg gtgacgttta 120  
ttttgaagtc tgcgtataa aatcttccca ggatatttgc atggatcac tcaattatta 180  
ctctgagtag gcatgggtga caagtaccc tccagcrag ctccaaatcc acatgtggta 240  
gctgacaaca agcagcttga gtgcttgcca cccacgaatt ccagtcgaca gaaaacacca 300  
aaaaccaagy ttgaattggg aggcagtttgc tggcccttgc ggtcacggac tagtattaga 360

ccacttgcaa tgcataatca caaacataca cgcacactat aagtaagatg taccacccaa	420
gcagtttta acaacaacac ttgtaatca cttccattcc aaaaaggttt cttgccaat	480
ccatatatacg cataccacgg ctgaatccat ggcgctgaaa tgcgggtgt tgctgcttt	540
ctcagcattc ctcttgccgg cagcgagcgc tacggcgtgc cactccgtg acctccgcgc	600
gctgcaggc ttgcgttagga acctcgccgg cgtcgggggc gtccctctcc gtgccgcgtg	660
gtccgggtac ggggtgctgcg actgggaagg tgtgggtgc gacgggtcaa gggccgcgt	720
cactacgttgcagctaccca cgcgtggcct cgcggggccc atccccggag catccttggc	780
gggcctcgta cagcatgtga agggtaacag gagaacactt gccgaacaac cgaatagaat	840
atcggggacc aacaacagtgtgaggtttgg gagaaacaat gctttgcgg ggaatgacaa	900
caccgtcata tctgggata acaacactgt gtctggagc ttcaacactg tcgtaattgg	960
gagtgacaat atcataaccg gtagcaagca tgtcgtatct gggagggaaac atatcgtaac	1020
tgataacaac aacaaggat cccggaaatga caataatgtatccgggagct tccacaccgt	1080
atccgggagc cacaacaccg tatccgggag caacaatacc gttccggga gcaaccatgt	1140
cgtgtctgg agcaacaaag tcgtgacagg aggttaatta tgtgtcagtg taggattgtc	1200
tccacctgag ctcacccctt gtccaaattt agtctagctc acaatcagtt ggtggggcca	1260
atcgcggcat gtaacttcat ggatggatat agcatcattt tcccactta aataaaattt	1320
gcctcgtgga tgtctaaaaa aaaagaaaaa aaaaaaaaaa aaaaa	1365

<210> 17  
 <211> 222  
 <212> PRT  
 <213> Deschampsia antarctica

<400> 17

Met Ala Leu Lys Cys Gly Leu Leu Leu Leu Phe Ser Ala Phe Leu Leu			
1	5	10	15

Pro Ala Ala Ser Ala Thr Ala Cys His Ser Arg Asp Leu Arg Ala Leu		
20	25	30

Gln Gly Phe Ala Arg Asn Leu Gly Gly Val Gly Val Leu Leu Arg		
35	40	45